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51st WMD CST INTRODUCTION BRIEF

Weapons of Mass Destruction (WMD) Civil Support Team (CST)

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WHAT ARE WE?

The **(Weapons of Mass Destruction) Civil Support Team** also known as **CST**, is a federally funded, full time, twenty-two person State National Guard composed. The team is designed to support local and State authorities at an actual or potential terrorist event.

WHY WERE WE FORMED?

- **93-World Trade Center bombing**
- **95-Oklahoma City bombing**
- **96-Congress mandates Defense against Weapons of Mass Destruction Act**
- **May 97-SECDEF recommends National Guard be assigned role of responding to chemical/biological terrorism in the US**
- **Revision of mission in the wake of Hurricane Katrina**

WHAT IS OUR MISSION?

The CST was designed to augment local and regional terrorism response capabilities in events known or suspected to involve use of chemical, biological, or radiological agents. The team can be enroute within three hours to support civil authorities in the event or suspicion of a WMD attack.

Specifically, the CST deploys to an area of operations to:

Support civil authorities at a domestic CBRNE incident site to identify CBRNE agents/ substances

Assess current and projected consequences

Advise on response measures

Assist with mitigation and additional support

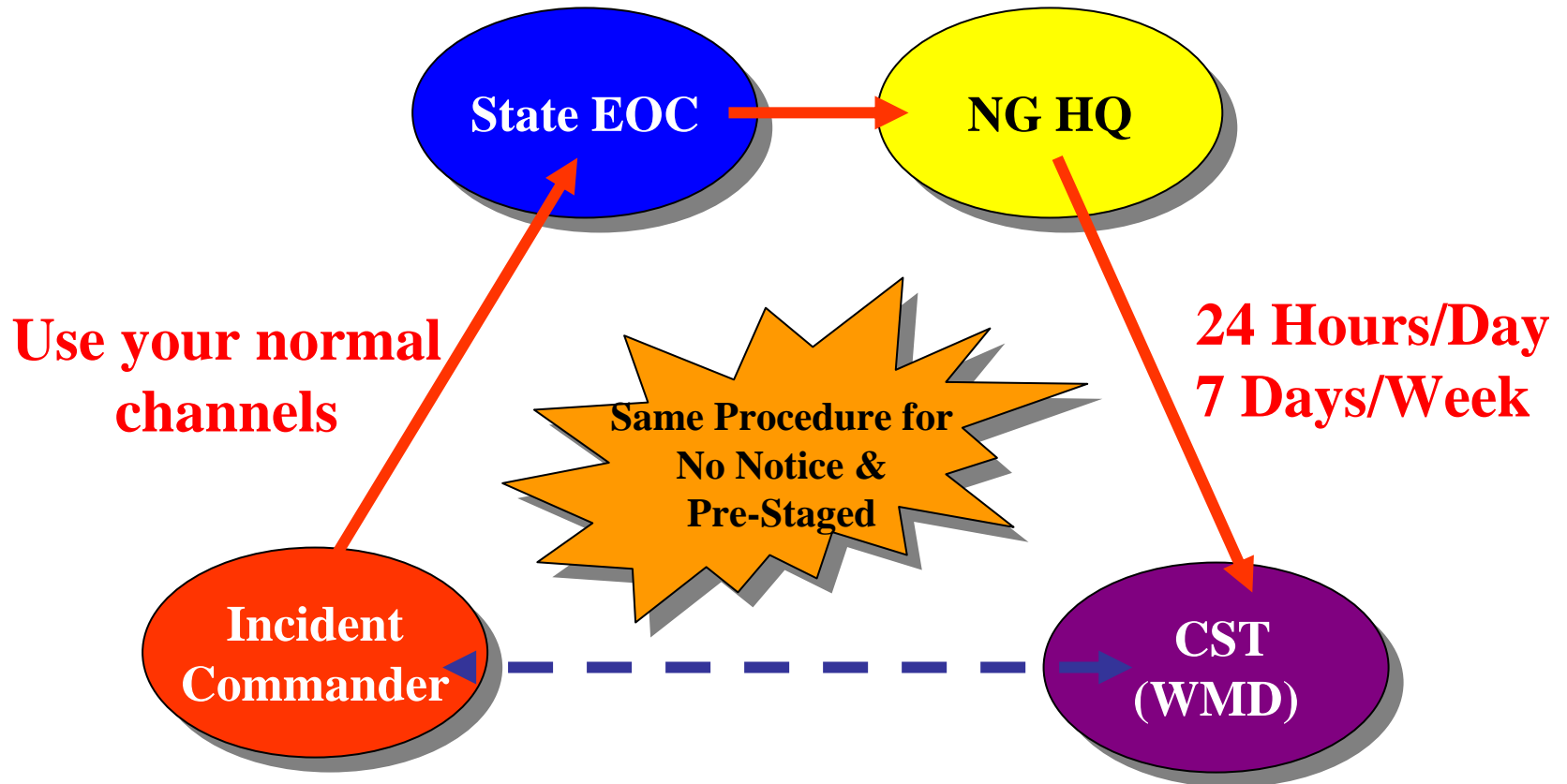
WHAT WE CAN DO

- **Establish and maintain an operations center.**
- **Establish communications.**
- **Coordinate with Incident Command System personnel.**
- **Conduct Hazard Modeling.**
- **Conduct reconnaissance of the contaminated area**
- **Collect samples**
- **Analyze and identify unknown substances**
- **Provide medical treatment advice**
- **Provide training assistance, planning and documentation support**
- **Provide additional support and follow on assets**
- **SUPPORT, ASSESS, ADVISE & ASSIST**

WHAT WE CAN'T DO

- **Instant Response Time**
- **Mass Decontamination**
- **Explosive Ordnance Disposal**
- **Long Term Sustainment (>72 hours)**

Deployment Protocol



Sampling Operations



CAPABILITIES

- With our specialists in air, water and ground sampling, the team worked with state and federal public health officials to test the water and air for biological hazards. The capability - designed to test for chemical, biological and nuclear hazards during a terrorist attack - quickly adapted itself to the changed circumstances

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UNIFIED COMMAND SUITE (UCS)



The UCS provides real-time voice, data and video connectivity (classified and unclassified) between the CST, local and state emergency response agencies, lead federal agencies and supporting military activities. The UCS consists of a combination of standard commercial and existing military equipment to provide the full range of communications necessary to support the emergency response mission. The civil support teams bring "redundant communications" assets to the field

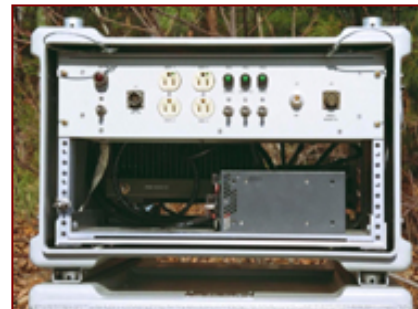
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UCS SUBSYSTEMS

This includes the following subsystems: *

- Radio Frequency/Telephone Capability :
 - HF - Motorola MICOM 2R Single Side Band
 - VHF - Motorola ASTRO XTS-3000 in 136-174MHz,
 - UHF - Motorola ASTRO XTS-3000 in 403-470, 450-520, 806-870MH
 - Portable Digital Telephone, Mobile Cell Phone, Satellite Telephone
 - ACU-1000
 - INMARSAT and Iridium Satellite phone
- Video/Data Capability:
 - SCORPION Ku-Band 2.4m Earth Terminal Satellite Transceiver (T1)
 - CISCO 3640 Router
 - COMPAC PROLIANT 1850 Server



* Secure/Classified systems not listed.

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Analytical Laboratory System (ALS)



- The ALS platform enables operators to perform scientific analysis on unknown samples under engineering controls
- Has 2 glove/containment boxes; one for sample preparation and one for the headspace sampler exhaust.
- Onboard secure communications system
- Cold storage for samples
- Generator power (15kW)
- Air Transportable

ALS ENVIRONMENTAL DETECTION



- Analysis of biological toxins in water
- Detection of Radioactivity in water
- Identification and Detection of a limited number of Water-Borne Viruses (e.g., E. coli, Cryptosporidium)
- Water-Borne Routes of Human Exposure Through Food and Drinking

SUMMARY

How can we assist you??????

- Establish communications
- Collect samples
- Analyze and identify unknown substances
- SUPPORT, ASSESS, ADVISE & ASSIST